PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT – DELIVERY OF SPRINT-1

DATE	08- NOVEMBER-2022
TEAM ID	PNT2022TMID00911
PROJECT NAME	REAL-TIME COMMUNICATION SYSTEM POWERED BY AI FOR SPECIALLY ABLED
MAXIMUM MARKS	

IMPORTING NECESSARY LIBRARIES:-

In [1]:
```
import cv2
import pytesseract
import os
from PIL import image
import sys
```

READING IMAGE WITH DATA FILES:-

In [ ]:
```
def get_string(img_path):
    #read image with opencv
    img=cv2.imread(img_path)
```

REMOVING NOISE FROM DATASET:-

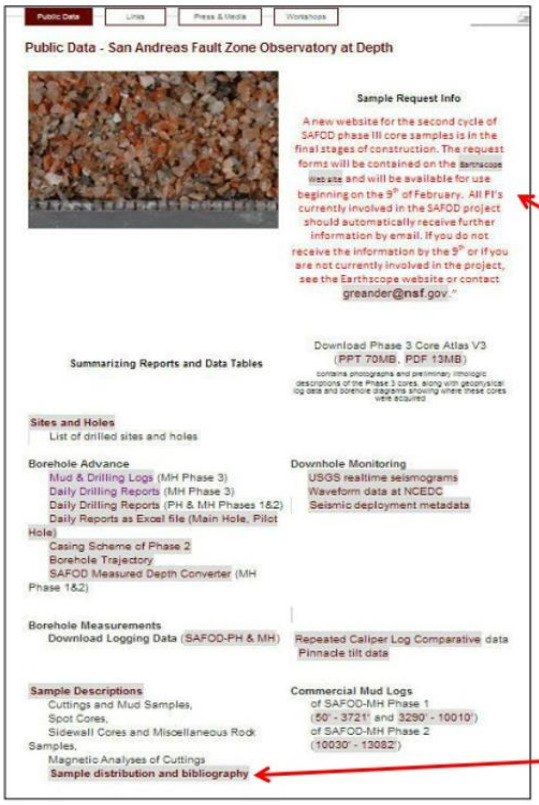
In [ ]:
```
#convert to gray
img=cv2.cvtcolor(img,cv2.COLOR_BGR2GRAY)
#apply dilation & erosion to remove some noise
kernel=np.ones((1,1),np.unit8)
img=cv2.dilate(img,kernel,iterations=1)
img=cv2.erode(image,kernel,iterations=1)
```

RECOGNISING THE DATASET & CHANGING TEXT TO

READ:-

```
In [ ]: #Write the image after apply opency to do some...
        cv2.imwrite("thres.png",img)
        #recognize text with tesseract for python
        result=pytesseract.image_to_string(image.open("thres.png"))
        os.remove("thres.png")

        return result
```



CHANGE TEXT TO READ:

For information on obtaining SAFOD core, cuttings and other samples please go to the Earthscope Web site. All PI's currently involved in SAFOD should automatically receive email updates on timetables for requesting SAFOD samples from the EarthScope National Office. If you are not receiving this information or if you are not currently involved in SAFOD and wish to be, please see the Earthscope website or contact the NSF EarthScope Program Coordinator, Greg Anderson (greander@nsf.gov.)

CHANGE TEXT TO READ:
Sample distribution, Phases 1 and 2 only (for Phase 3 core distribution and analyses go to www.earthscope.org)

DISPLAY IMAGES FROM DATASET:-

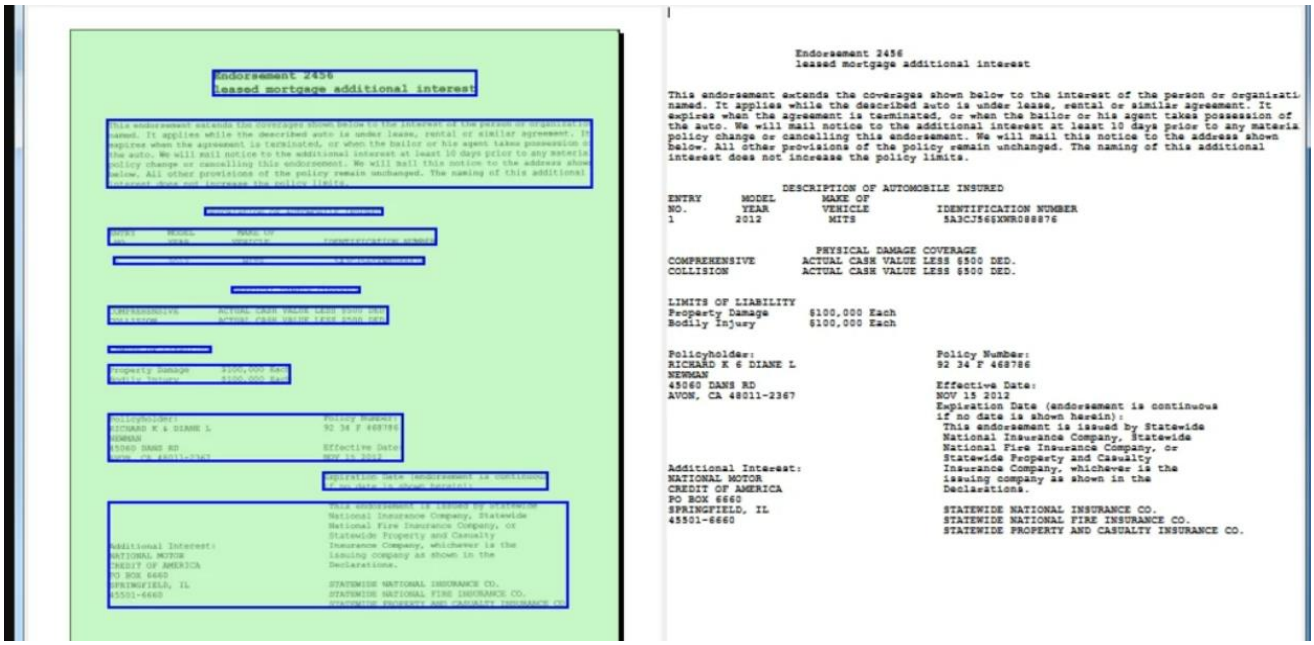
```
In [ ]: if_name_=='_main_':
            from sys import argv

            if len(argv)<2:
                print("usage python image-to-text.py relative-filepath")
            else:
                print('---start recognize text from image---')
                for i in range(1,len(argv)):
                    print(argv[i])
                    print(get_string(argv[i]))
                       print()
            print()
            print('------Done------')
```

SAMPLE IMAGES:-

Sign_img=cv2.imread(train_data_path+’0/0_234.jpeg’)

Display(Text_img,’a’)



Endorsement 2456
leased mortgage additional interest

This endorsement extends the coverages shown below to the interest of the person or organizati named. It applies while the described auto is under lease, rental or similar agreement. It expires when the agreement is terminated, or when the bailor or his agent takes possession of the auto. We will mail notice to the additional interest at least 10 days prior to any materia policy change or cancelling this endorsement. We will mail this notice to the address shown below. All other provisions of the policy remain unchanged. The naming of this additional interest does not increase the policy limits.

DESCRIPTION OF AUTOMOBILE INSURED

ENTRY NO.	MODEL YEAR	MAKE OF VEHICLE	IDENTIFICATION NUMBER
1	2012	MITS	5A3CJ566XNR088876

PHYSICAL DAMAGE COVERAGE

COMPREHENSIVE	ACTUAL CASH VALUE LESS $500 DED.
COLLISION	ACTUAL CASH VALUE LESS $500 DED.

LIMITS OF LIABILITY

Property Damage	$100,000 Each
Bodily Injury	$100,000 Each

Policyholder:
RICHARD K & DIANE L
NEWMAN
45060 DANS RD
AVON, CA 48011-2367

Policy Number:
92 34 F 468786

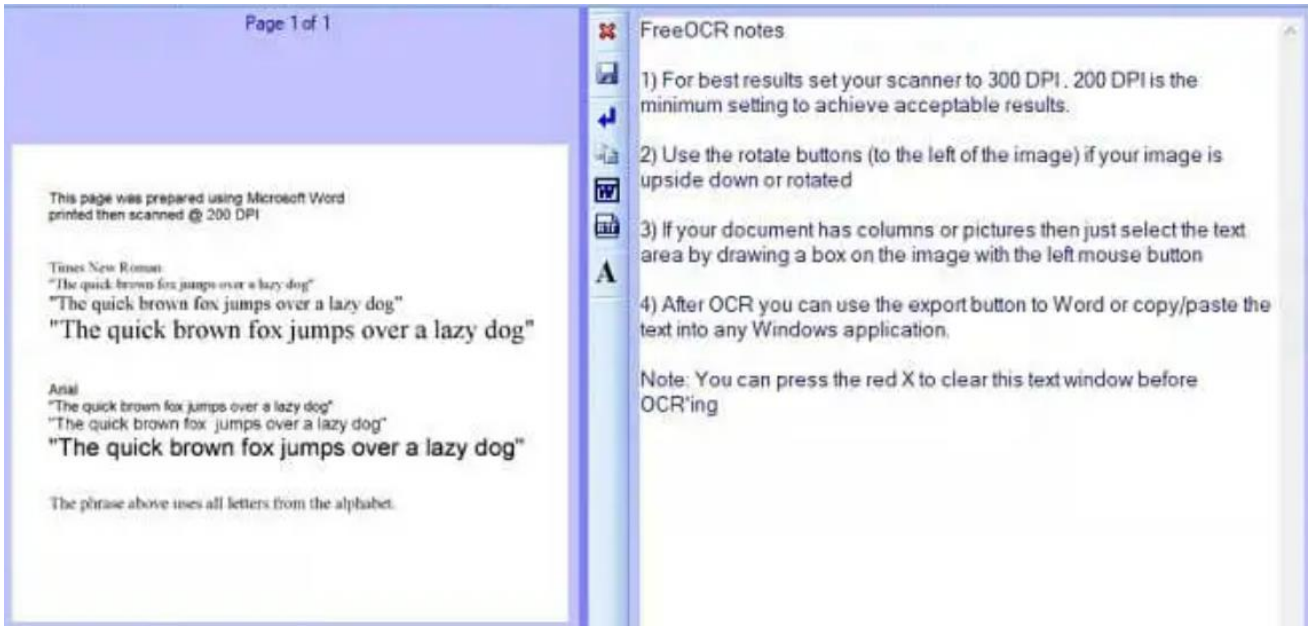
Effective Date:
NOV 15 2012
Expiration Date (endorsement is continuous if no date is shown herein):
This endorsement is issued by Statewide National Insurance Company, Statewide National Fire Insurance Company, or Statewide Property and Casualty Insurance Company, whichever is the issuing company as shown in the Declarations.

Additional Interest:
NATIONAL MOTOR
CREDIT OF AMERICA
PO BOX 6660
SPRINGFIELD, IL
45501-6660

STATEWIDE NATIONAL INSURANCE CO.
STATEWIDE NATIONAL FIRE INSURANCE CO.
STATEWIDE PROPERTY AND CASUALTY INSURANCE CO.

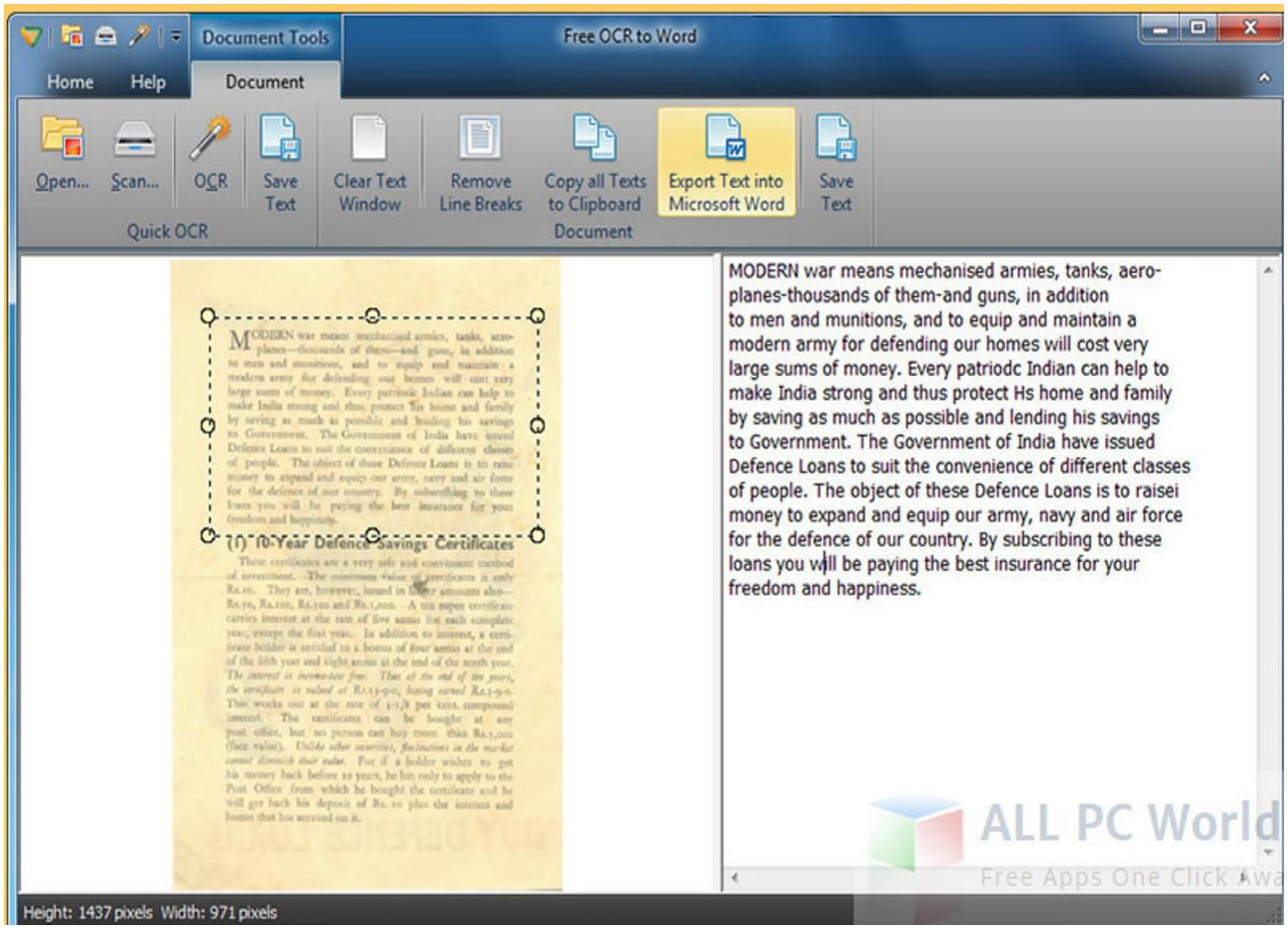
Sign_img=cv2.imread(train_data_path+’0/0_235.jpeg’)

Display(Text_img,’b’)



Sign_img=cv2.imread(train_data_path+’0/0_236.jpeg’)

Display(Text_img,’c’)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Free OCR to Word
Home
Help
Document
Open...
Scan...
OCR
Save Text
Quick OCR
Clear Text Window
Remove Line Breaks
Copy all Texts to Clipboard
Export Text into Microsoft Word
Save Text
Document
MODERN war means mechanised armies, tanks, aero-planes-thousands of them-and guns, in addition to men and munitions, and to equip and maintain a modern army for defending our homes will cost very large sums of money. Every patriodc Indian can help to make India strong and thus protect Hs home and family by saving as much as possible and lending his savings to Government. The Government of India have issued Defence Loans to suit the convenience of different classes of people. The object of these Defence Loans is to raisei money to expand and equip our army, navy and air force for the defence of our country. By subscribing to these loans you will be paying the best insurance for your freedom and happiness.
(1) 10-Year Defence Savings Certificates
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Height: 1437 pixels Width: 971 pixels